

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A rotary compressor having two different compression capacities in clockwise and counterclockwise rotational directions, comprising:

a driving shaft ~~being that is~~ rotatable in clockwise and counterclockwise directions, and having an eccentric portion of a predetermined size;

a cylinder having a predetermined inner volume;

a roller ~~installed rotatably on~~ coupled to an outer circumference of the eccentric portion of the driving shaft so as to contact an inner circumference of the cylinder, ~~performing wherein the roller performs~~ a rolling motion along the inner circumference of the cylinder and ~~forming~~ forms a fluid chamber to ~~suck~~ suction and compress fluid ~~along with the inner circumference~~;

a vane ~~installed elastically~~ installed in the cylinder to contact the roller;

upper and lower bearings ~~installed respectively in~~ installed at upper and lower portions of the cylinder, ~~for that~~ rotatably ~~supporting~~ support the driving shaft and hermetically ~~sealing~~ theseals an inner volume of the cylinder;

a plurality of suction ports and a plurality of discharge ports ~~communicating that~~ communicate with the fluid chamber so as to ~~suck~~ suction fluid into and discharge ~~the fluid~~ from the fluid chamber; and

a compression mechanism configured to form different sizes of compressive spaces in the fluid chamber ~~depending based~~ on the rotational direction of the driving shaft.

2. (Currently Amended) The rotary compressor of claim 1, wherein the compression mechanism compresses ~~the fluid using the overall a full capacity of the~~ fluid chamber when the driving shaft rotates in ~~any one of the clockwise direction and or~~ the counterclockwise direction.

3. (Currently Amended) The rotary compressor of claim ~~1~~ 2, wherein the compression mechanism compresses ~~the fluid using a portion of the fluid chamber when the driving shaft rotates in the other of the clockwise direction and or~~ the counterclockwise direction.

4. (Currently Amended) The rotary compressor of claim 1, wherein the plurality of suction ports are configured to suck ~~the fluid in all the rotational directions of the driving shaft.~~

5. (Currently Amended) The rotary compressor of claim 1, wherein the plurality of discharge ports are configured to discharge ~~the fluid which is introduced from a corresponding one of the plurality of~~ suction ports and compressed while the driving shaft rotates clockwise or counterclockwise.

6. (Currently Amended) The rotary compressor of claim 1, wherein the plurality of suction ports are spaced apart by a predetermined angle from each other.

7. (Currently Amended) The rotary compressor of claim 1, wherein the plurality of discharge ports are spaced apart by a predetermined angle from each other.

8. (Currently Amended) The rotary compressor of claim 1, wherein ~~each of the~~ plurality of suction ports and the plurality of discharge ports is comprise at least two suction ports and at least two discharge ports.

9. (Currently Amended) The rotary compressor of claim 1, wherein the compression mechanism comprises a valve assembly, ~~which rotates according to wherein the valve assembly rotates based on~~ the rotational direction of the driving shaft to ~~selective~~ selectively open at least one of the plurality of suction ports.

10. (Currently Amended) The rotary compressor of claim 9, wherein the plurality of discharge ports ~~comprise~~ comprises a first discharge port and a second discharge port which are positioned facing each other with respect to the vane.

11. (Currently Amended) The rotary compressor of claim 9, wherein the plurality of

suction ports ~~comprise~~ comprises a first suction port located in the vicinity of the vane and a second suction port spaced apart by a predetermined angle from the first suction port.

12. (Currently Amended) The rotary compressor of claim 11, wherein the first and second suction ports are circular.

13. (Currently Amended) The rotary compressor of claim 11, wherein the first and second suction ports are ~~rectangles~~ rectangular.

14. (Currently Amended) The rotary compressor of claim 13, wherein the first and second suction ports have a predetermined curvature.

15. (Currently Amended) The rotary compressor of claim 12, wherein the first and second suction ports have diameters ~~ranged from~~ in the range of 6 mm to 15 mm.

16. (Currently Amended) The rotary compressor of claim 11, wherein the first suction port is positioned ~~spaced by~~ approximately 10° from the vane in a clockwise or counterclockwise direction.

17. (Currently Amended) The rotary compressor of claim 11, wherein the second

suction port is positioned in a range of 90-180° from the vane so as to face the first suction port.

18. (Currently Amended) The rotary compressor of claim 9, further comprising a plurality of discharge valves opening and closing the that selectively opens and closes respective discharge ports of the plurality of discharge ports so as to discharge ~~the~~ compressed fluid through the corresponding suction ports therethrough.

19. (Currently Amended) The rotary compressor of claim 9, wherein the valve assembly comprises:-

a first valve ~~installed rotatably~~ installed between the cylinder and the lower bearing; and

a second valve ~~for guiding~~ coupled to the first valve to guide a rotary motion of the first valve.

20. (Currently Amended) The rotary compressor of claim 19, wherein the first valve comprises a disc member ~~contacting~~ that contacts the eccentric portion of the driving shaft and ~~rotating that rotates~~ in the rotational direction of the driving shaft.

21. (Currently Amended) The rotary compressor of claim 20, wherein a diameter of the first valve ~~has a diameter larger~~ is greater than an inner diameter of the cylinder.

22. (Original) The rotary compressor of claim 20, wherein the first valve is 0.5-5 mm thick.

23. (Currently Amended) The rotary compressor of claim 19, wherein the first valve comprises:

a first opening ~~communicating in communication~~ with the first suction port when the driving shaft rotates in ~~any~~ one of the clockwise direction ~~and or~~ the counterclockwise direction; and

a second opening ~~communicating in communication~~ with the second suction port when the driving shaft rotates in the other of the clockwise direction ~~and or~~ the counterclockwise direction.

24. (Currently Amended) The rotary compressor of claim 19, wherein the first valve comprises a single opening ~~communicating in communication~~ with the first suction port when the driving shaft rotates in ~~any~~ one of the clockwise direction or the counterclockwise direction, and ~~communicating in communication with~~ with the second suction port when the driving shaft rotates in the other of the clockwise direction ~~the or~~ counterclockwise direction.

25-32. (Canceled).

33. (Currently Amended) The rotary compressor of claim 23, wherein the plurality of suction port-ports further comprises a third suction port positioned between the second suction port and the vane.

34. (Currently Amended) The rotary compressor of claim 33, wherein the third suction port is spaced apart by 10° in a clockwise or counterclockwise direction from the vane so as to face the first suction port.

35. (Currently Amended) The rotary compressor of claim 33, wherein the first valve further comprises a third opening ~~for opening that opens~~ the third suction port simultaneously with an opening of the second suction port.

36. (Currently Amended) The rotary compressor of claim 33, wherein the first valve comprises a first opening ~~for opening that opens~~ the third suction port simultaneously with an opening of the second suction port.

37. (Currently Amended) The rotary compressor of claim 19, wherein the valve assembly further comprises ~~means for controlling~~ control apparatus that controls a rotation angle of the first valve such that corresponding suction ports of the plurality of suction ports are opened accurately.

38. (Currently Amended) The rotary compressor of claim 37, wherein the control ~~means~~apparatus comprises:

a curved groove formed ~~at~~in the first valve and having a predetermined length; and

a stopper formed on the lower bearing and inserted into the curved groove so as to restrict a rotation angle of the first valve.

39. (Currently Amended) The rotary compressor of claim 38, wherein the curved groove is positioned ~~in the vicinity of~~near a center of the first valve.

40. (Currently Amended) The rotary compressor of claim 38, wherein a thickness of the stopper ~~has~~is substantially the same thickness as a thickness of the first valve.

41. (Currently Amended) The rotary compressor of claim 38, wherein a width of the stopper ~~has the same width as~~is substantially the same as a width of the curved groove.

42. (Currently Amended) The rotary compressor of claim 38, wherein opposite ends of the curved groove ~~has~~are positioned at an angle of 30-120° between both ends thereof.

43. (Withdrawn/Amended) The rotary compressor of claim 37, wherein the control

~~means~~apparatus comprises:-

a projection ~~formed on the first valve and projecting that projects outward~~ in a radial direction ~~of~~ from the first valve; and

a groove formed on the second valve, ~~for receiving wherein~~ the projection is movably received in the groove.

44. (Withdrawn/Amended) The rotary compressor of claim 37, wherein the control ~~means~~apparatus comprises:-

a projection ~~formed on the second valve and projecting that projects outward~~ in a radial direction ~~of~~ from the second valve; and

a groove formed on the first valve, ~~for receiving wherein~~ the projection is movably received in the groove.

45. (Withdrawn/Amended) The rotary compressor of claim 37, wherein the control ~~means~~apparatus comprises:

a projection formed ~~on the second valve and projecting that projects~~ toward a center of the second valve; and

a cut-away portion formed ~~on~~ in the first valve ~~[[,]] for receiving so as to movably receive~~ the projection ~~movably.~~

46. (Withdrawn/Amended) The rotary compressor of claim 45, wherein the projection and the cut-away portion form a clearance therebetween ~~and, wherein~~ the clearance ~~opens~~ forms an opening to the first suction port or the third suction port ~~according to the~~ based on a rotational direction of the driving shaft.

47. (Withdrawn/Amended) The rotary compressor of claim 45, wherein the projection has an angle of 10-90° between ~~both opposite~~ side surfaces thereof.

48. (Withdrawn/Amended) The rotary compressor of claim 45, wherein the cut-away portion has an angle of 30-120° between ~~both opposite~~ ends thereof.

49. (Currently Amended) The rotary compressor of claim 1, wherein the compression mechanism comprises a valve assembly ~~selective opening that selectively opens~~ at least one of the plurality of suction ports ~~spaced apart from each other by using a pressure difference between the cylinder and inner and outer portions according to the~~ of the cylinder based on a rotational direction of the driving shaft.

50. (Canceled).

51. (Currently Amended) The rotary compressor of claim 49, wherein the plurality of

suction ports ~~comprise~~ comprises a first suction port located in the vicinity of the vane and a second suction port spaced apart by a predetermined angle from the first suction port.

52-56. (Canceled).

57. (Withdrawn/Amended) The rotary compressor of claim 49, wherein the compression mechanism comprises a valve assembly, wherein the valve assembly comprises:
a first valve ~~installed~~ rotatably installed between the cylinder and the lower bearing; and
a second valve ~~for guiding that guides~~ a rotary motion of the first valve.

58. (Withdrawn/Amended) The rotary compressor of claim 57, wherein the ~~the~~ [[,]] first and second valves are configured to open the second suction port ~~by an inner~~ in response to a negative inner pressure of the cylinder.

59. (Withdrawn/Amended) The rotary compressor of claim 58, wherein the first and second valves are ~~a check valve allowing~~ valves that allow only a flow of the fluid into ~~the~~ an inside of the cylinder.

60. (Withdrawn/Amended) The rotary compressor of claim 58, wherein the first and second valves are ~~a plate valve, which is~~ valves that are deformed so as to open ~~the~~ a

corresponding suction port ~~by~~ in response to a pressure difference.

61. (Withdrawn/Amended) The rotary compressor of claim 60, wherein the first and second valves are deformed so as to open the suction port in a direction in which the negative pressure is generated.

62. (Withdrawn) The rotary compressor of claim 60, wherein a predetermined clearance is formed between the second valve and the second suction port.

63. (Withdrawn) The rotary compressor of claim 60, wherein the first and second valves further comprise a retainer to restrict deformation thereof.

64-70. (Canceled).

71. (Withdrawn/Amended) The rotary compressor of claim 1, wherein the compression mechanism ~~is comprised of~~ comprises a first vane and a second vane that divide the fluid chamber into a first space ~~configured such that the~~ in which fluid is compressed while the driving shaft rotates bidirectionally, and a second space ~~configured such that the~~ in which fluid is compressed while the driving shaft rotates in ~~any~~ one direction.

72-74. (Canceled).

75. (Currently Amended) The rotary compressor of claim 71, wherein the plurality of suction ports and the plurality of discharge ports supply or discharge the fluid into the first and second spaces selectively ~~depending on the~~ based on a rotational direction of the driving shaft.

76. (Currently Amended) The rotary compressor of claim 75, wherein the plurality of suction ports and the plurality of discharge ports are configured to suck ~~the~~ fluid into the first space in all ~~the~~ rotational directions of the driving shaft and to discharge ~~the~~ compressed fluid from the first space.

77. (Currently Amended) The rotary compressor of claim 76, wherein the plurality of discharge ports are located communicating in communication with the first space, and ~~comprises~~ comprise first and second discharge ports ~~discharging the~~ that discharge compressed fluid in each ~~of the rotational directions~~ direction of the driving shaft.

78-99. (Canceled)

100. (Withdrawn/Amended) The rotary compressor of claim 1, wherein the compression mechanism ~~is comprised of~~ comprises a plurality of different clearances formed

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~~different~~ according to the rotational direction of the driving shaft between the roller and the inner circumference of the cylinder based on a rotational direction of the driving shaft.

101-109. (Canceled)

110. (Withdrawn/Amended) The rotary compressor of claim 100, wherein the plurality of suction ports and the plurality of discharge ports comprise suction and discharge valves[[,]] which are selectively opened or closed ~~depending on the~~ based on a rotational direction of the driving shaft.

111. (Withdrawn/Amended) The rotary compressor of claim 110, wherein the suction valves are configured to open the suction ports ~~by an inner in response to a negative inner~~ inner pressure of the cylinder.

112. (Withdrawn/Amended) The rotary compressor of claim 110, wherein the discharge valves are configured to open the discharge ports ~~by an inner in response to a positive~~ inner pressure of the cylinder.

113. (Withdrawn/Amended) The rotary compressor of claim 110, wherein the suction and discharge valves are ~~a check valve allowing~~ valves that allow only a flow of the fluid into the

an inside of the cylinder.

114. (Withdrawn/Amended) The rotary compressor of claim 110, wherein the suction and discharge valves are ~~a plate valve, which is~~ valves that are deformed so as to open the suction ~~port by~~ ports in response to a pressure difference.

115. (Withdrawn) The rotary compressor of claim 114, wherein the suction and discharge valves further comprise a retainer to restrict deformation thereof.

116-131. (Canceled)